



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 11631413  
SAU: Trenton School Department  
School: Trenton Elementary School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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# SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

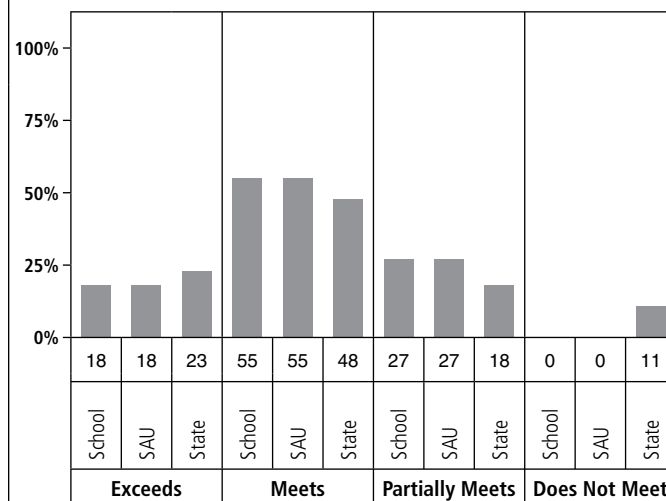
SAU: Trenton School Department

School: Trenton Elementary School

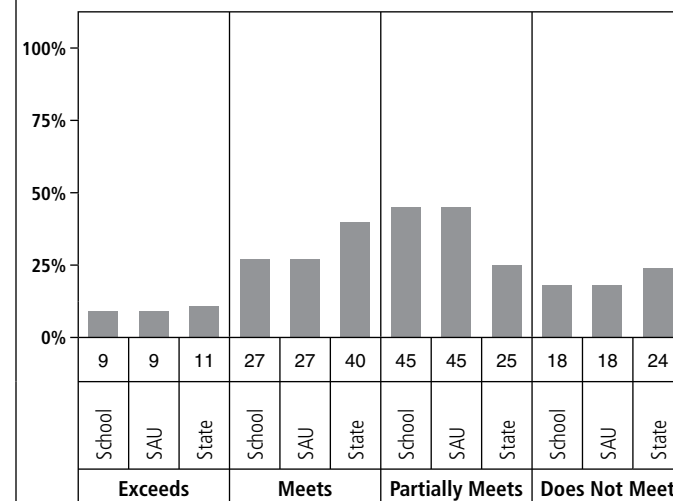
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	843	843	845
2006–2007	846	846	847
<b>2007–2008</b>	<b>849</b>	<b>849</b>	<b>849</b>
Cum. Avg. *	845	845	847
<b>Mathematics</b>			
2005–2006	842	842	840
2006–2007	838	838	842
<b>2007–2008</b>	<b>839</b>	<b>839</b>	<b>841</b>
Cum. Avg. *	840	840	841
<b>Science &amp; Technology</b>			
2005–2006	845	845	846
2006–2007	845	845	847
<b>2007–2008</b>	<b>845</b>	<b>845</b>	<b>847</b>
Cum. Avg. *	845	845	847

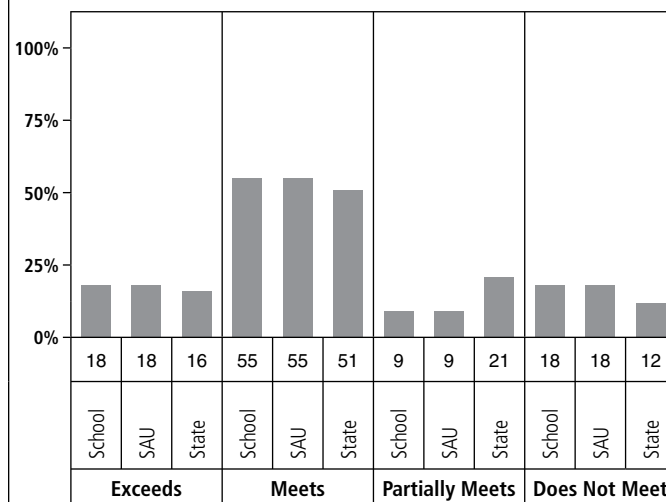
## ELA – READING



## MATHEMATICS



## SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
 Grade: 8  
 SAU: Trenton School Department  
 School: Trenton Elementary School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	11	100	11	100	15274	100	11	100	11	100	15102	99	11	100	11	100	15097	99	11	100	11	100	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98						
Caucasian/White	11	100	11	100	14461	95	11	100	11	100	14312	99	11	100	11	100	14302	99	11	100	11	100	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	2	18	2	18	2508	16	2	100	2	100	2446	98	2	100	2	100	2441	98	2	100	2	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	4	36	4	36	5420	35	4	100	4	100	5329	99	4	100	4	100	5324	99	4	100	4	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	11	100	11	100	12703	83	11	100	11	100	12694	83	11	100	11	100	12710	83						
Identified disability (PET/IEP)	2	18	2	18	437	3	2	18	2	18	421	3	2	18	2	18	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	0	0	0	0	2221	15	0	0	0	0	2227	15	0	0	0	0	2197	14						
Identified disability (PET/IEP)	0	0	0	0	1832	82	0	0	0	0	1844	83	0	0	0	0	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Trenton School Department
School:	Trenton Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	6	23	6	23	2695	17
	2006-2007	2	15	2	15	2407	16
	<b>2007-2008</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>18</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	10	20	10	20	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	8	31	8	31	6830	42
	2006-2007	5	38	5	38	7494	49
	<b>2007-2008</b>	<b>6</b>	<b>55</b>	<b>6</b>	<b>55</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	19	38	19	38	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	6	23	6	23	3741	23
	2006-2007	4	31	4	31	3628	24
	<b>2007-2008</b>	<b>3</b>	<b>27</b>	<b>3</b>	<b>27</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	13	26	13	26	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	6	23	6	23	3003	18
	2006-2007	2	15	2	15	1810	12
	<b>2007-2008</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	8	16	8	16	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	36.5	65.2	36.5	65.2	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	18.2	65.0	18.2	65.0	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	18.4	65.7	18.4	65.7	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Trenton School Department  
 School: Trenton Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	11	2	18	6	55	3	27	0	0	849	11	18	55	27	0	849	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	11	2	18	6	55	3	27	0	0	849	11	18	55	27	0	849	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2269	3	24	32	42	833
No	9	2	22	5	56	2	22	0	0	850	9	22	56	22	0	850	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	0										0						308	8	30	27	34	837
No	11	2	18	6	55	3	27	0	0	849	11	18	55	27	0	849	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	4										4						5222	12	44	25	19	843
No	7	2	29	3	43	2	29	0	0	852	7	29	43	29	0	852	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	0										0						7	0	86	0	14	850
No	11	2	18	6	55	3	27	0	0	849	11	18	55	27	0	849	14917	23	48	18	11	849
<b>Gender</b>																						
Female	6	2	33	3	50	1	17	0	0	855	6	33	50	17	0	855	7198	30	48	15	7	853
Male	5	0	0	3	60	2	40	0	0	842	5	0	60	40	0	842	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						807	9	41	32	18	842
No	11	2	18	6	55	3	27	0	0	849	11	18	55	27	0	849	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	0										0						592	71	28	1	0	867
No	11	2	18	6	55	3	27	0	0	849	11	18	55	27	0	849	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Trenton School Department

School: Trenton Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	27	0	0	2	67	1	33	0	0	845	27	0	67	33	0	845	9	10	39	24	26	841
B. less than one hour	64	2	29	4	57	1	14	0	0	853	64	29	57	14	0	853	46	20	50	20	11	849
C. one to two hours	9	0	0	0	0	1	100	0	0	832	9	0	0	100	0	832	41	28	49	15	7	852
D. more than two hours	0										0						5	28	44	15	12	850
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	36	0	0	2	50	2	50	0	0	841	36	0	50	50	0	841	33	31	48	14	7	853
B. They match some of what I have learned.	64	2	29	4	57	1	14	0	0	853	64	29	57	14	0	853	53	21	51	19	9	849
C. They match just a little of what I have learned.	0										0						11	14	41	25	20	844
D. There is no match.	0										0						3	6	34	26	35	836
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	27	0	0	1	33	2	67	0	0	845	27	0	33	67	0	845	31	42	44	8	6	857
B. good	64	2	29	4	57	1	14	0	0	850	64	29	57	14	0	850	49	19	54	19	9	849
C. fair	9	0	0	1	100	0	0	0	0	852	9	0	100	0	0	852	18	5	42	31	22	840
D. poor	0										0						2	4	29	32	34	835
<b>How difficult was the reading part of this test?</b>																						
A. harder than my regular schoolwork	0										0						15	16	44	22	18	845
B. about the same as my regular schoolwork	100	2	18	6	55	3	27	0	0	849	100	18	55	27	0	849	65	23	49	18	9	850
C. easier than my regular schoolwork	0										0						19	30	49	14	8	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	0										0						9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	36	0	0	1	25	3	75	0	0	841	36	0	25	75	0	841	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	64	2	29	5	71	0	0	0	0	854	64	29	71	0	0	854	38	36	48	11	5	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	18	0	0	1	50	1	50	0	0	849	18	0	50	50	0	849	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	73	2	25	4	50	2	25	0	0	849	73	25	50	25	0	849	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	1	100	0	0	0	0	852	9	0	100	0	0	852	6	9	43	24	23	842
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	27	0	0	2	67	1	33	0	0	849	27	0	67	33	0	849	18	31	47	13	9	852
B. 20 minutes to an hour	55	1	17	3	50	2	33	0	0	845	55	17	50	33	0	845	41	28	49	15	7	852
C. less than 20 minutes	9	1	100	0	0	0	0	0	0	868	9	100	0	0	0	868	13	20	49	18	12	848
D. I rarely read at home.	9	0	0	1	100	0	0	0	0	852	9	0	100	0	0	852	28	12	47	26	16	844
<b>How do you feel about the following statement?</b> <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	36	0	0	2	50	2	50	0	0	846	36	0	50	50	0	846	43	31	48	14	7	853
B. agree	64	2	29	4	57	1	14	0	0	851	64	29	57	14	0	851	48	18	50	20	12	848
C. disagree	0										0						6	11	43	24	21	843
D. strongly disagree	0										0						2	6	36	32	26	839
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

# MATHEMATICS RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Trenton School Department
School:	Trenton Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	5	19	5	19	1714	11
	2006-2007	0	0	0	0	1952	13
	<b>2007-2008</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>9</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	6	12	6	12	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	8	31	8	31	5533	34
	2006-2007	6	46	6	46	5870	38
	<b>2007-2008</b>	<b>3</b>	<b>27</b>	<b>3</b>	<b>27</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	17	34	17	34	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	4	15	4	15	4764	29
	2006-2007	3	23	3	23	3982	26
	<b>2007-2008</b>	<b>5</b>	<b>45</b>	<b>5</b>	<b>45</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	12	24	12	24	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	9	35	9	35	4251	26
	2006-2007	4	31	4	31	3534	23
	<b>2007-2008</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>18</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	15	30	15	30	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.0	43.8	7.0	43.8	8.4	52.5
Cluster 2: Shape and Size	14	25	6.8	48.6	6.8	48.6	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	5.1	63.8	5.1	63.8	4.6	57.5
Cluster 4: Patterns	18	32	7.7	42.8	7.7	42.8	8.9	49.4

**Cluster 1: Numbers and Operations**  
 A. Numbers and Number Sense  
 B. Computation  
 I. Discrete Mathematics (grades 3 and 4 only)

**Cluster 2: Shape and Size**  
 E. Geometry  
 F. Measurement

**Cluster 3: Mathematical Decision Making**  
 C. Data Analysis and Statistics  
 D. Probability

**Cluster 4: Patterns**  
 G. Patterns, Relations, and Functions  
 H. Algebra Concepts  
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Trenton School Department  
 School: Trenton Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	11	1	9	3	27	5	45	2	18	839	11	9	27	45	18	839	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	11	1	9	3	27	5	45	2	18	839	11	9	27	45	18	839	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2265	1	14	22	62	824
No	9	1	11	3	33	4	44	1	11	842	9	11	33	44	11	842	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	0										0						315	5	24	20	51	828
No	11	1	9	3	27	5	45	2	18	839	11	9	27	45	18	839	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	4										4						5217	5	30	29	37	834
No	7	0	0	3	43	3	43	1	14	841	7	0	43	43	14	841	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	0										0						7	0	43	43	14	838
No	11	1	9	3	27	5	45	2	18	839	11	9	27	45	18	839	14914	11	40	25	24	841
<b>Gender</b>																						
Female	6	0	0	1	17	4	67	1	17	835	6	0	17	67	17	835	7199	11	40	26	23	841
Male	5	1	20	2	40	1	20	1	20	844	5	20	40	20	20	844	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						806	3	20	30	47	831
No	11	1	9	3	27	5	45	2	18	839	11	9	27	45	18	839	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	0										0						592	58	39	2	1	864
No	11	1	9	3	27	5	45	2	18	839	11	9	27	45	18	839	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Trenton School Department

School: Trenton Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	27	1	33	2	67	0	0	0	0	855	27	33	67	0	0	855	9	5	30	23	41	833
B. less than one hour	64	0	0	1	14	5	71	1	14	836	64	0	14	71	14	836	46	10	40	26	25	840
C. one to two hours	9	0	0	0	0	0	0	1	100	814	9	0	0	0	100	814	41	14	42	25	19	843
D. more than two hours	0										0						5	14	38	23	24	842
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	18	0	0	1	50	1	50	0	0	837	18	0	50	50	0	837	30	17	43	22	18	845
B. They match some of what I have learned.	55	0	0	2	33	3	50	1	17	841	55	0	33	50	17	841	50	10	42	26	22	841
C. They match just a little of what I have learned.	27	1	33	0	0	1	33	1	33	835	27	33	0	33	33	835	17	6	32	29	33	836
D. There is no match.	0										0						4	3	18	25	54	828
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	18	1	50	0	0	1	50	0	0	852	18	50	0	50	0	852	26	29	46	14	11	851
B. good	64	0	0	3	43	3	43	1	14	841	64	0	43	43	14	841	45	7	46	27	20	841
C. fair	9	0	0	0	0	1	100	0	0	838	9	0	0	100	0	838	23	1	26	34	38	833
D. poor	9	0	0	0	0	0	0	1	100	802	9	0	0	0	100	802	5	1	14	29	57	827
<b>How difficult was the mathematics part of this test?</b>																						
A. harder than my regular schoolwork	18	0	0	0	0	1	50	1	50	821	18	0	0	50	50	821	34	4	35	28	32	836
B. about the same as my regular schoolwork	73	0	0	3	38	4	50	1	13	840	73	0	38	50	13	840	52	10	43	26	21	842
C. easier than my regular schoolwork	9	1	100	0	0	0	0	0	0	864	9	100	0	0	0	864	13	33	40	14	13	852
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	18	0	0	0	0	2	100	0	0	836	18	0	0	100	0	836	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	73	1	13	3	38	3	38	1	13	844	73	13	38	38	13	844	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	0	0	0	0	1	100	802	9	0	0	0	100	802	6	9	27	27	38	835
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	9	1	100	0	0	0	0	0	0	864	9	100	0	0	0	864	9	6	38	27	29	837
B. two or three days a week	45	0	0	0	0	3	60	2	40	826	45	0	0	60	40	826	16	8	38	27	27	839
C. two or three times each month	27	0	0	2	67	1	33	0	0	851	27	0	67	33	0	851	28	12	41	27	21	843
D. never or almost never	18	0	0	1	50	1	50	0	0	841	18	0	50	50	0	841	48	13	40	23	24	842
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	82	1	11	3	33	4	44	1	11	843	82	11	33	44	11	843	38	14	42	23	21	843
B. two or three times a week	9	0	0	0	0	1	100	0	0	838	9	0	0	100	0	838	33	10	41	26	23	841
C. two or three times each month	0										0						18	10	36	27	27	840
D. never or almost never	9	0	0	0	0	0	0	1	100	802	9	0	0	0	100	802	11	7	34	26	33	836
<b>How do you feel about the following statement?</b> <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	82	1	11	3	33	3	33	2	22	839	82	11	33	33	22	839	54	14	44	23	18	844
B. agree	18	0	0	0	0	2	100	0	0	839	18	0	0	100	0	839	38	8	36	27	28	838
C. disagree	0										0						6	6	31	28	36	835
D. strongly disagree	0										0						2	3	23	25	49	831
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

# SCIENCE AND TECHNOLOGY RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Trenton School Department
School:	Trenton Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	3	12	3	12	1879	12
	2006-2007	1	8	1	8	2192	14
	<b>2007-2008</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>18</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	6	12	6	12	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	11	42	11	42	8604	53
	2006-2007	6	46	6	46	7916	52
	<b>2007-2008</b>	<b>6</b>	<b>55</b>	<b>6</b>	<b>55</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	23	46	23	46	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	10	38	10	38	3618	22
	2006-2007	5	38	5	38	3340	22
	<b>2007-2008</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>9</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	16	32	16	32	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	2	8	2	8	2174	13
	2006-2007	1	8	1	8	1865	12
	<b>2007-2008</b>	<b>2</b>	<b>18</b>	<b>2</b>	<b>18</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	5	10	5	10	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.9	56.4	7.9	56.4	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.5	46.4	6.5	46.4	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.3	52.1	7.3	52.1	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.4	60.0	8.4	60.0	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

# SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Trenton School Department  
 School: Trenton Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	11	2	18	6	55	1	9	2	18	845	11	18	55	9	18	845	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	11	2	18	6	55	1	9	2	18	845	11	18	55	9	18	845	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	2										2						2258	3	29	31	37	836
No	9	2	22	5	56	1	11	1	11	847	9	22	56	11	11	847	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	0										0						315	4	29	25	42	834
No	11	2	18	6	55	1	9	2	18	845	11	18	55	9	18	845	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	4										4						5206	8	45	28	20	842
No	7	2	29	3	43	1	14	1	14	846	7	29	43	14	14	846	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	0										0						7	29	57	14	0	852
No	11	2	18	6	55	1	9	2	18	845	11	18	55	9	18	845	14900	16	51	21	12	847
<b>Gender</b>																						
Female	6	1	17	3	50	1	17	1	17	845	6	17	50	17	17	845	7196	14	52	23	12	847
Male	5	1	20	3	60	0	0	1	20	844	5	20	60	0	20	844	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						804	6	38	34	22	841
No	11	2	18	6	55	1	9	2	18	845	11	18	55	9	18	845	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	0										0						592	63	35	1	0	865
No	11	2	18	6	55	1	9	2	18	845	11	18	55	9	18	845	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: Trenton School Department  
School: Trenton Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	27 64 9 0	1 1 0 0	33 14 0 0	2 4 0 0	67 57 0 0	0 1 0 0	0 14 0 0	0 1 1 1	0 14 100 0	853 845 816 0	27 64 9 0	33 14 0 0	67 57 0 0	0 14 0 0	0 14 100 0	853 845 816 0	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b> A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	18 55 18 9	0 1 1 0	0 17 50 0	2 2 1 1	100 33 50 100	0 1 0 0	0 17 0 0	0 2 0 0	0 33 0 0	844 841 854 852	18 55 18 9	0 17 50 0	100 33 50 100	0 17 0 0	0 33 0 0	844 841 854 852	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
<b>Which of the following best describes how you rate yourself as a student in science?</b> A. very good B. good C. fair D. poor	9 82 9 0	0 2 0 0	0 22 0 0	1 5 0 0	100 56 0 0	0 1 0 0	0 11 0 0	0 1 1 1	0 11 100 0	842 848 822 0	9 82 9 0	0 22 0 0	100 56 0 0	0 11 0 100	0 11 0 0	842 848 822 0	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
<b>How difficult was the science part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	30 50 20	1 1 0	33 20 0	1 2 2	33 40 100	0 1 0	0 20 0	1 1 0	33 20 0	846 844 843	30 50 20	33 20 0	33 40 100	0 20 0	33 20 0	846 844 843	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
<b>How hard did you try on the science part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	18 73 9	0 2 0	0 25 0	2 3 1	100 38 100	0 1 0	0 13 0	0 2 0	0 25 0	851 844 842	18 73 9	0 25 0	100 38 100	0 13 0	0 25 0	851 844 842	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
<b>Which courses do you plan to take before you graduate from high school?</b> A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	0 18 9 73	0 1 0 1	0 50 0 13	0 1 0 5	0 50 0 63	0 0 0 1	0 0 0 13	0 0 1 1	0 0 100 13	854 816 846 846	0 18 9 73	0 50 0 13	0 50 0 63	0 0 0 13	0 0 100 13	854 816 846 846	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
<b>How do you feel about the following statement?</b> <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	27 64 9 0	1 1 0 0	33 14 0 0	2 3 1 1	67 43 100 0	0 1 0 0	0 14 0 0	0 2 0 0	0 29 0 0	853 841 844 0	27 64 9 0	33 14 0 0	67 43 100 0	0 14 0 0	0 29 0 0	853 841 844 0	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
<b>How well does the following statement reflect your future goals?</b> <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	18 27 27 27	1 1 0 0	50 33 0 0	1 1 1 3	50 33 33 100	0 0 1 0	0 0 33 0	0 1 1 0	0 33 33 0	852 842 837 851	18 27 27 27	50 33 0 0	50 33 33 100	0 0 33 0	0 33 33 0	852 842 837 851	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
<b>Optional school/SAU question</b> A. B. C. D.	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	